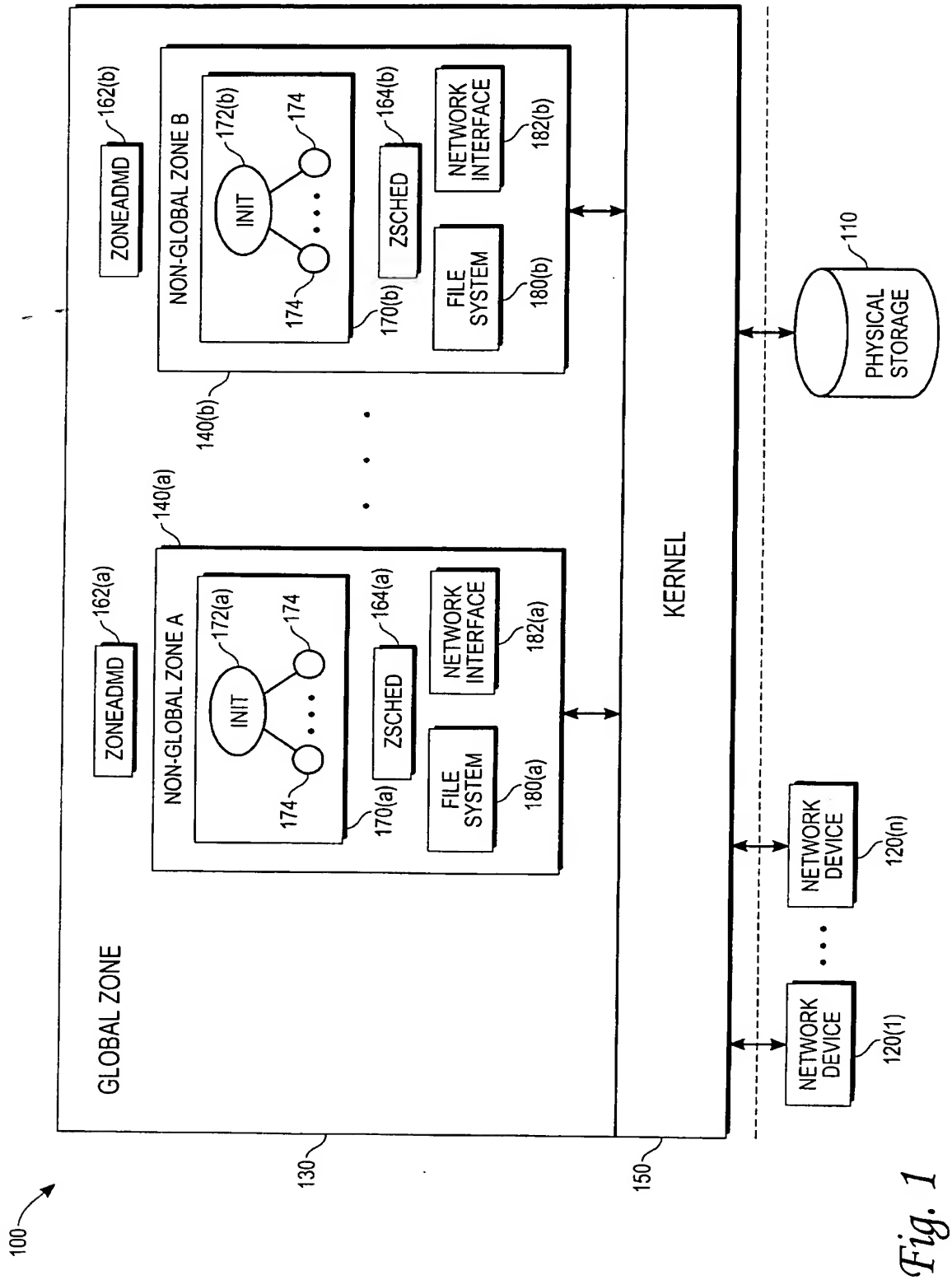
100
GLOBAL ZONE
130
KERNEL
150
ZONEADMD
162(a)
NON-GLOBAL ZONE A
140(a)
INIT
172(a)
174
174
170(a)
ZSCHED
164(a)
NETWORK INTERFACE
182(a)
FILE SYSTEM
180(a)
ZONEADMD
162(b)
NON-GLOBAL ZONE B
140(b)
INIT
172(b)
174
174
170(b)
ZSCHED
164(b)
NETWORK INTERFACE
182(b)
FILE SYSTEM
180(b)
PHYSICAL STORAGE
110
NETWORK DEVICE
120(1)
NETWORK DEVICE
120(n)

Fig. 1

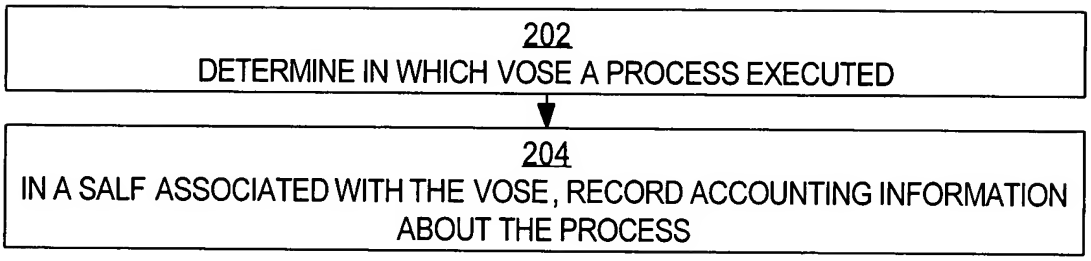
202
DETERMINE IN WHICH VOSE A PROCESS EXECUTED
204
IN A SALF ASSOCIATED WITH THE VOSE, RECORD ACCOUNTING INFORMATION ABOUT THE PROCESS

FIG. 2

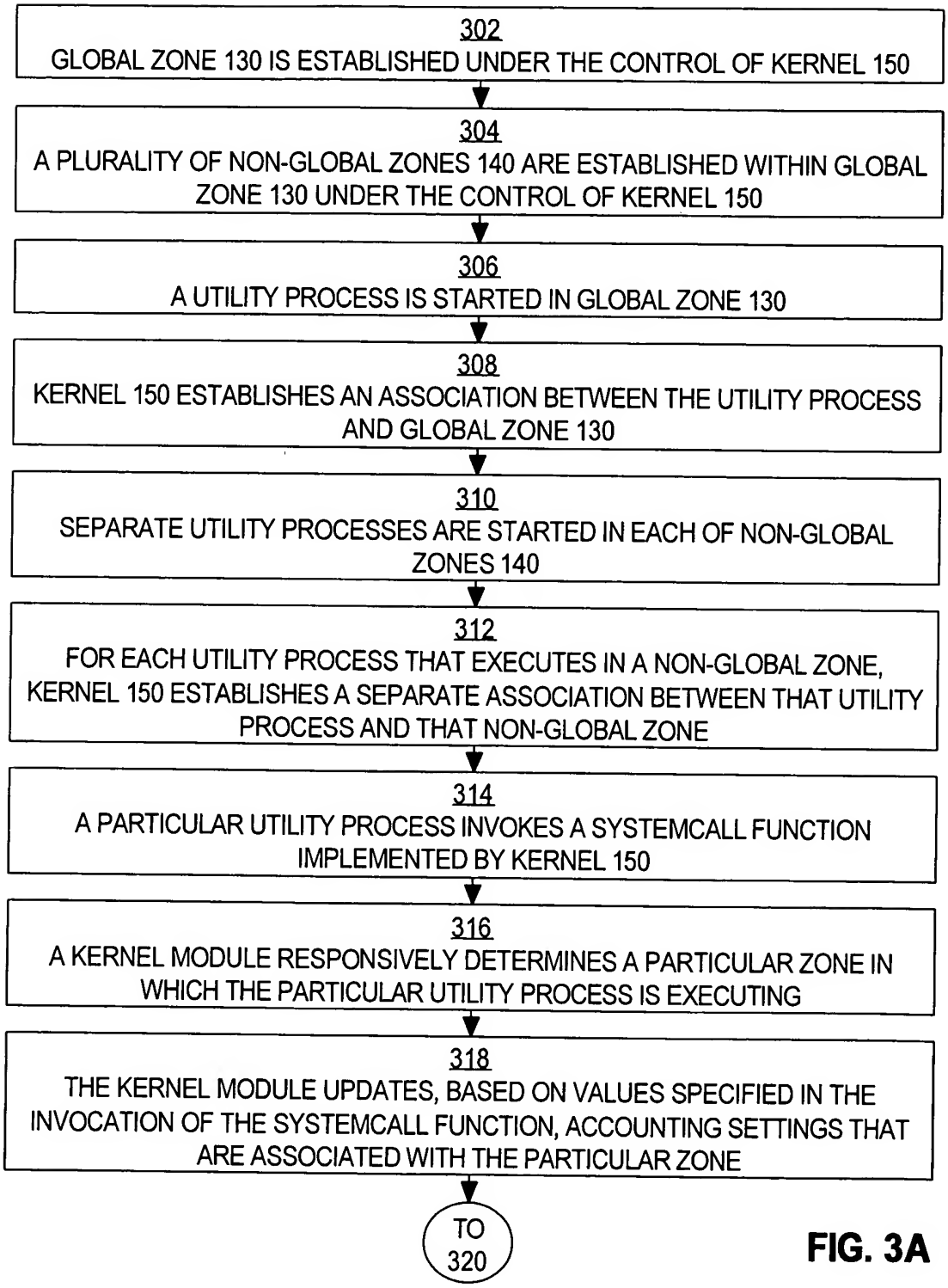
302
GLOBAL ZONE 130 IS ESTABLISHED UNDER THE CONTROL OF KERNEL 150
304
A PLURALITY OF NON-GLOBAL ZONES 140 ARE ESTABLISHED WITHIN GLOBAL ZONE 130 UNDER THE CONTROL OF KERNEL 150
306
A UTILITY PROCESS IS STARTED IN GLOBAL ZONE 130
308
KERNEL 150 ESTABLISHES AN ASSOCIATION BETWEEN THE UTILITY PROCESS AND GLOBAL ZONE 130
310
SEPARATE UTILITY PROCESSES ARE STARTED IN EACH OF NON-GLOBAL ZONES 140
312
FOR EACH UTILITY PROCESS THAT EXECUTES IN A NON-GLOBAL ZONE, KERNEL 150 ESTABLISHES A SEPARATE ASSOCIATION BETWEEN THAT UTILITY PROCESS AND THAT NON-GLOBAL ZONE
314
A PARTICULAR UTILITY PROCESS INVOKES A SYSTEMCALL FUNCTION IMPLEMENTED BY KERNEL 150
316
A KERNEL MODULE RESPONSIVELY DETERMINES A PARTICULAR ZONE IN WHICH THE PARTICULAR UTILITY PROCESS IS EXECUTING
318
THE KERNEL MODULE UPDATES, BASED ON VALUES SPECIFIED IN THE INVOCATION OF THE SYSTEMCALL FUNCTION, ACCOUNTING SETTINGS THAT ARE ASSOCIATED WITH THE PARTICULAR ZONE
TO 320

FIG. 3A

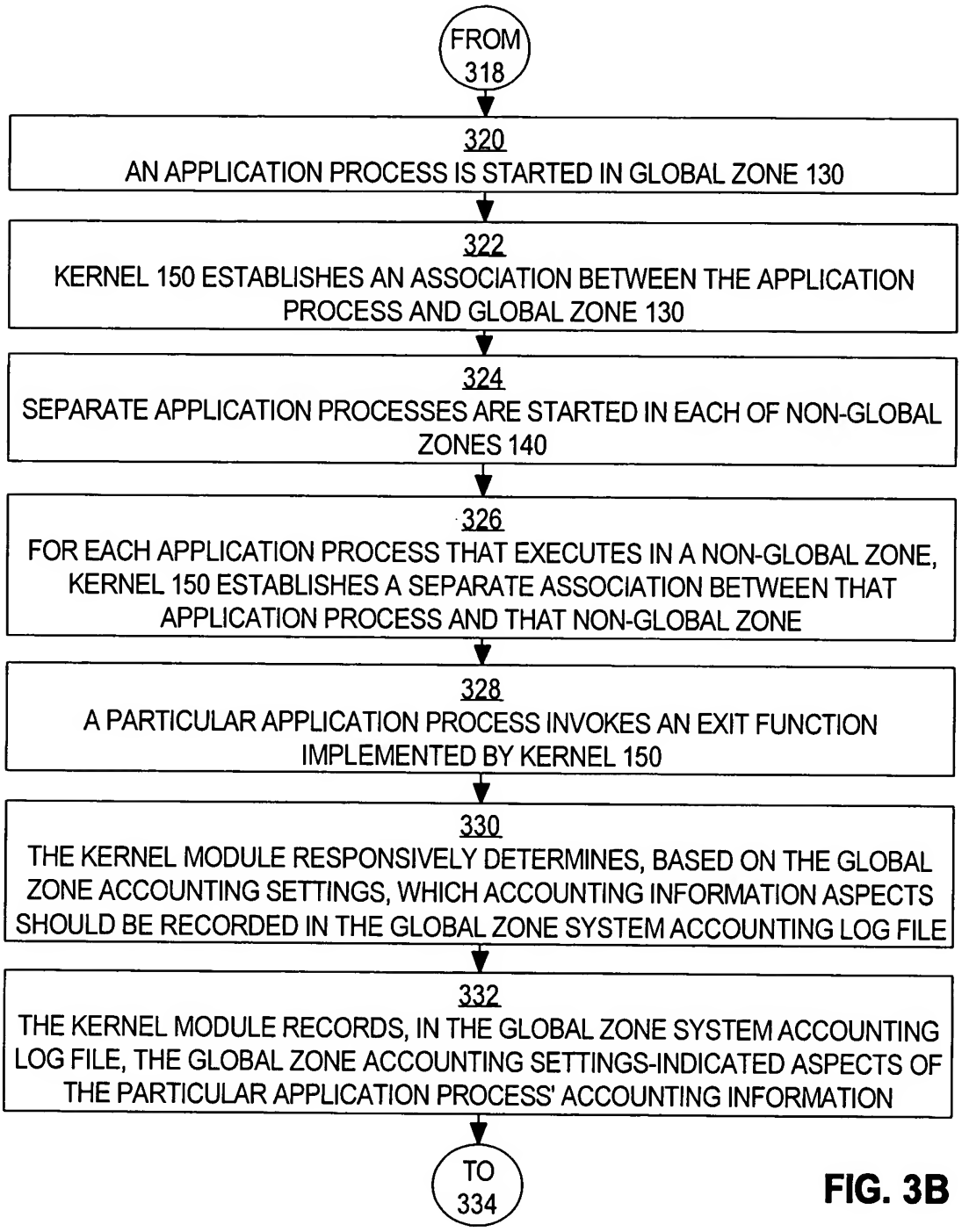
FROM 318
320
AN APPLICATION PROCESS IS STARTED IN GLOBAL ZONE 130
322
KERNEL 150 ESTABLISHES AN ASSOCIATION BETWEEN THE APPLICATION PROCESS AND GLOBAL ZONE 130
324
SEPARATE APPLICATION PROCESSES ARE STARTED IN EACH OF NON-GLOBAL ZONES 140
326
FOR EACH APPLICATION PROCESS THAT EXECUTES IN A NON-GLOBAL ZONE, KERNEL 150 ESTABLISHES A SEPARATE ASSOCIATION BETWEEN THAT APPLICATION PROCESS AND THAT NON-GLOBAL ZONE
328
A PARTICULAR APPLICATION PROCESS INVOKES AN EXIT FUNCTION IMPLEMENTED BY KERNEL 150
330
THE KERNEL MODULE RESPONSIVELY DETERMINES, BASED ON THE GLOBAL ZONE ACCOUNTING SETTINGS, WHICH ACCOUNTING INFORMATION ASPECTS SHOULD BE RECORDED IN THE GLOBAL ZONE SYSTEM ACCOUNTING LOG FILE
332
THE KERNEL MODULE RECORDS, IN THE GLOBAL ZONE SYSTEM ACCOUNTING LOG FILE, THE GLOBAL ZONE ACCOUNTING SETTINGS-INDICATED ASPECTS OF THE PARTICULAR APPLICATION PROCESS' ACCOUNTING INFORMATION
TO 334

FIG. 3B

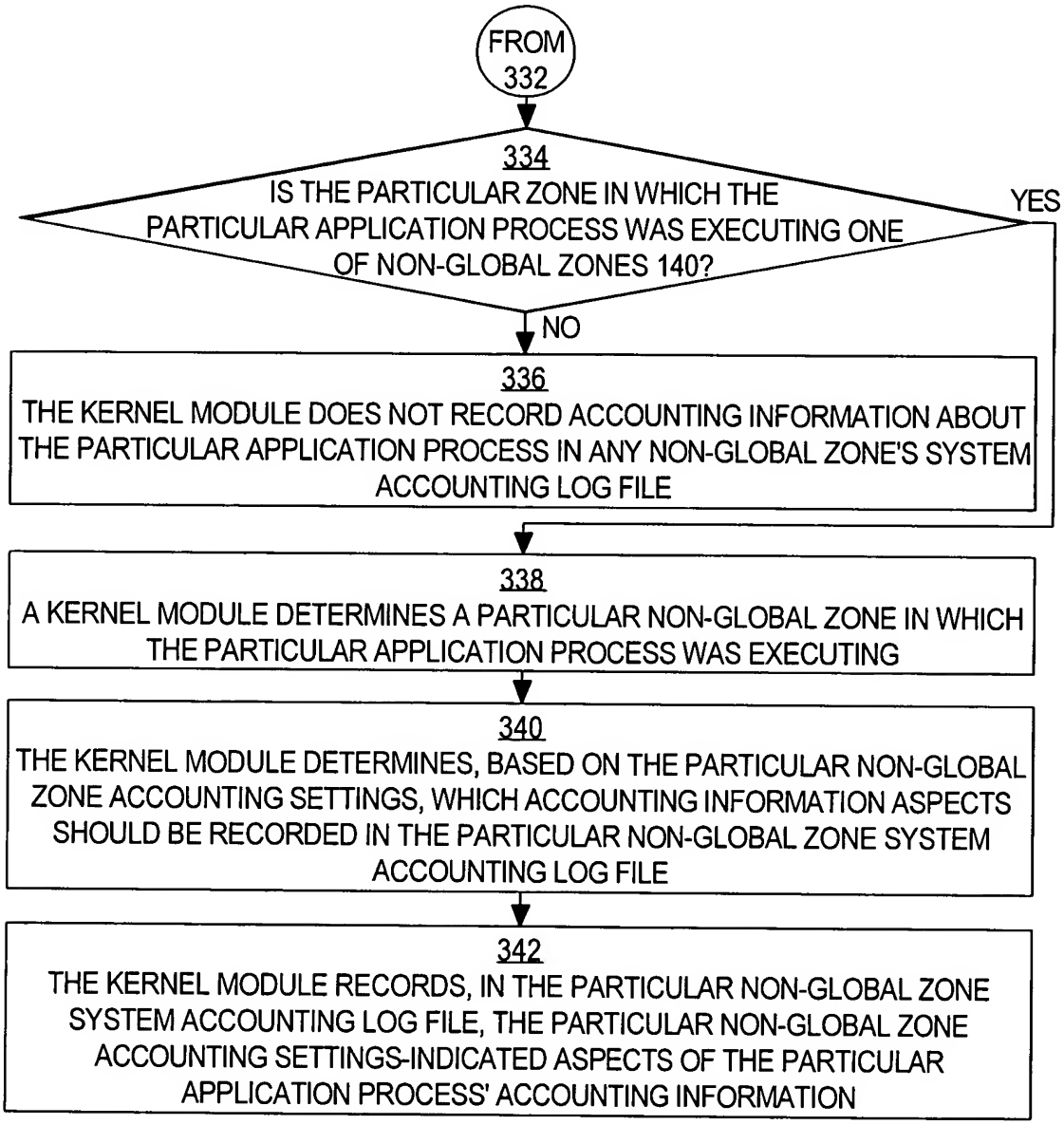
FROM 332
334
IS THE PARTICULAR ZONE IN WHICH THE PARTICULAR APPLICATION PROCESS WAS EXECUTING ONE OF NON-GLOBAL ZONES 140?
YES
NO
336
THE KERNEL MODULE DOES NOT RECORD ACCOUNTING INFORMATION ABOUT THE PARTICULAR APPLICATION PROCESS IN ANY NON-GLOBAL ZONE'S SYSTEM ACCOUNTING LOG FILE
338
A KERNEL MODULE DETERMINES A PARTICULAR NON-GLOBAL ZONE IN WHICH THE PARTICULAR APPLICATION PROCESS WAS EXECUTING
340
THE KERNEL MODULE DETERMINES, BASED ON THE PARTICULAR NON-GLOBAL ZONE ACCOUNTING SETTINGS, WHICH ACCOUNTING INFORMATION ASPECTS SHOULD BE RECORDED IN THE PARTICULAR NON-GLOBAL ZONE SYSTEM ACCOUNTING LOG FILE
342
THE KERNEL MODULE RECORDS, IN THE PARTICULAR NON-GLOBAL ZONE SYSTEM ACCOUNTING LOG FILE, THE PARTICULAR NON-GLOBAL ZONE ACCOUNTING SETTINGS-INDICATED ASPECTS OF THE PARTICULAR APPLICATION PROCESS' ACCOUNTING INFORMATION

FIG. 3C

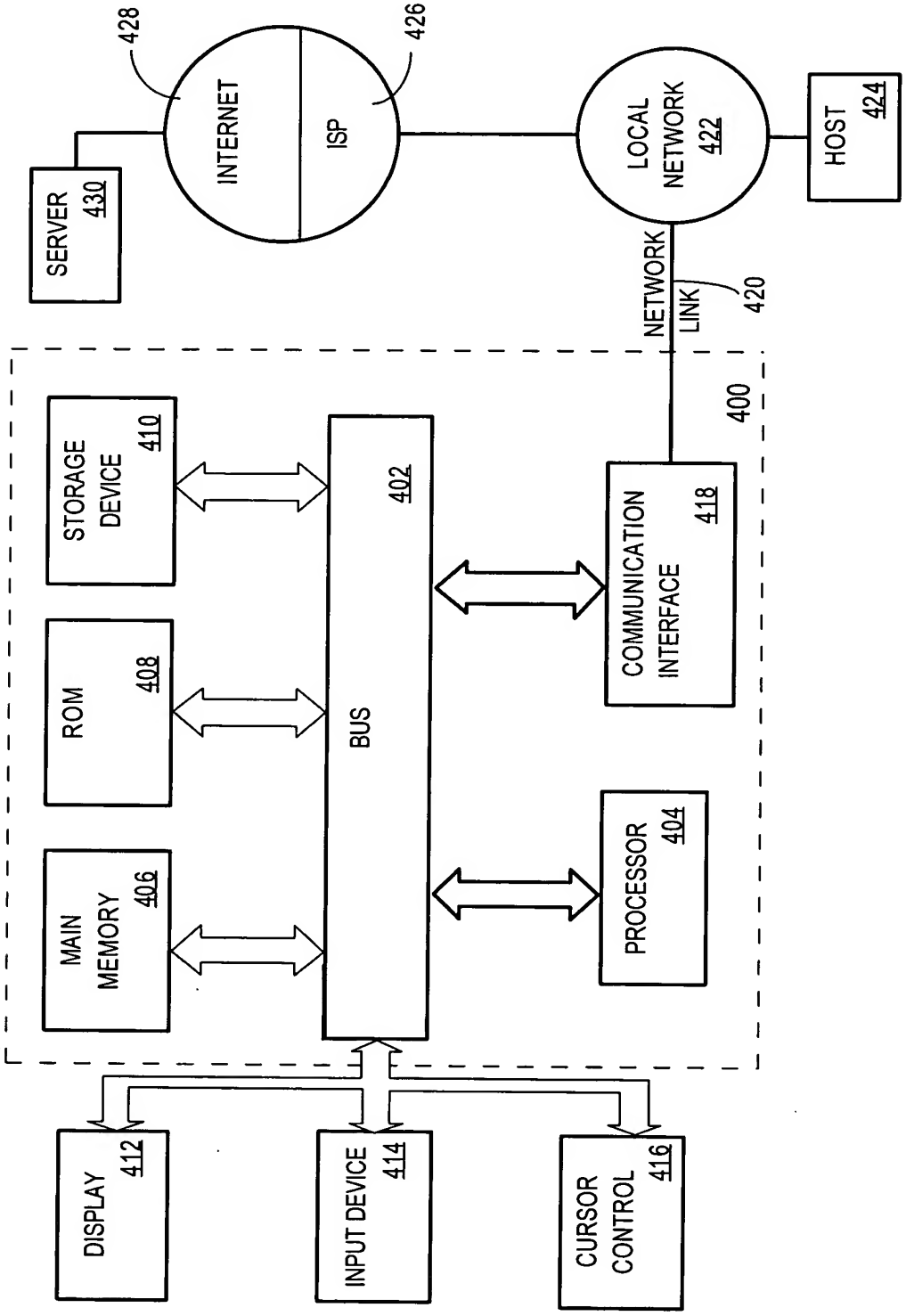
428
INTERNET
ISP
426
SERVER 430
LOCAL NETWORK 422
HOST 424
NETWORK LINK 420
400
STORAGE DEVICE 410
402
BUS
COMMUNICATION INTERFACE 418
ROM 408
MAIN MEMORY 406
PROCESSOR 404
DISPLAY 412
INPUT DEVICE 414
CURSOR CONTROL 416

FIG. 4